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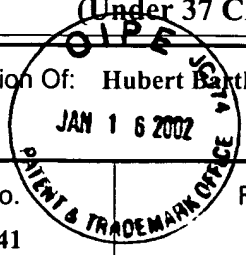
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

6386-08-CA

In Re Application Of: Hubert Barth, et al.



Serial No.

09/889,341

Filing Date

7/16/01

Examiner

Group Art Unit

Title: **METHOD FOR ARYLATING AZA-HETEROCYCLES WITH ACTIVATED AROMATIC COMPOUNDS IN THE PRESENCE OF CESIUM CARBONATE**

Address to:

Assistant Commissioner for Patents

Washington, D.C. 20231

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
2. a Notice of Allowance under 37 CFR 1.311,

whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

OR

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 23-0455 as described below. A duplicate copy of this sheet is enclosed.
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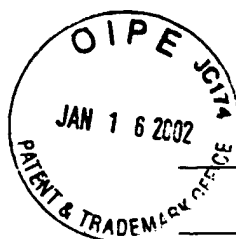
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6386-08-CASERIAL NO.
09/889,341INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT
HUBERT BARTH, ET AL.FILING DATE
7/16/01

GROUP



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)

		PCT International Search Report, PCT/EP00/01574
		Lee et al., "Facile Synthesis of Alkyl Phenyl Ethers Using Cesium Carbonate", <u>Synthetic Communications</u> , Vol. 25, No. 9, 1995, pp 1367-1370
		Dinsmore and Zartman, "Arylmethanesulfonates are Convenient Latent Phenols in the Nucleophilic Aromatic Substitution Reaction", <u>Tetrahedron Letters</u> , Vol. 40, No. 21, 1999, pp 3989-3990
		Wolfe and Buchwald, "Improved Functional Group Compatibility in the Palladium-Catalyzed Amination of Aryl Bromides", <u>Tetrahedron Letters</u> , Vol. 38, No. 36, 1997, pp 6359-6362
		Flessner and Doye, "Cesium Carbonate: A Powerful Inorganic Base in Organic Synthesis", <u>J. Prakt. Chem.</u> , Vol. 341, No. 2, 1999, pp 186-190
		Gale and Wilshire, "The Preparation of Sole Polymethine Astrazon Dyes", <u>Aust. J. Chem.</u> , Vol. 23, 1970, pp 1063-1068
		Stabler and Jahangir, "Preparation on N-Arylated Heterocycles by Nucleophilic Aromatic Substitution", <u>Synthetic Communications</u> , Vol. 24, No. 1, 1994, pp 123-129
		Smith and Sawyer, "A Novel and Selective Method for N-Arylation of Indoles Mediated by KF/Al_2O_3 ", <u>Tetrahedron Letters</u> , Vol. 37, No. 3, 1996, pp 299-302
		Mann et al., "Palladium-Catalyzed C-N(sp ²) Bond Formation: N-Arylation of Aromatic and Unsaturated Nitrogen and the Reductive Elimination Chemistry of Palladium Azolyl and Methyleneamido Complexes", <u>J. Am. Chem. Soc.</u> , Vol. 120, No. 4, 1998, pp 827-828
		Maiorana et al., "Aromatic Nucleophilic Substitution on Haloarene Chromium Tricarbonyl Complexes: Mild N-Arylation of Indoles", <u>Synthesis</u> , 1998, pp 735-738
		Park et al., "Synthesis and ¹ H-nmr and N-Arylated Nitrogen-Containing Aromatic Heterocycles", <u>Bulletin of Korean Chemical Society</u> , Vol. 6, No. 3, 1985, pp 141-144

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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